<u>REMARKS</u>

Reconsideration of this application is respectfully requested.

Claims 1-6 are pending in this application. In the Office Action, the Examiner rejected Claims 1 and 5 under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,359,987 (*Tran et al.*) in view of U.S. Patent No. 6,449,371 (*Tan et al.*); and Claims 2, 3, 4, and 6 were rejected under 35 U.S.C. §103(a) as being unpatentable over *Tran* in view of *Tan* and further in view of U.S. Patent No. 4,410,890 (*Davis et al.*).

In the present application, on page 7, line 25 to page 8, line 19, as illustrated in FIG. 2, among terminals P1 – P3 of an ear jack 106, P1 is connected to power voltage Vcc, P2 is connected to output terminal of an amplifier 116 of an MP3 player 104, and P3 is connected to a controller 102. The terminals P1 and P2 of an ear jack connector 120 of an earphone 118 are connected with each other and the terminal P2 is connected to an input terminal of an audio signal of the earphone 118. Herein, the terminal P1 of an ear jack connector 124 of an external speaker 122 is in an open state and the P2 is connected to an input terminal of an audio signal of the external speaker 122. Terminal P3 is grounded.

If the ear jack connector 120 of the earphone 118 is connected to the ear jack 106, terminals P1 and P3 of the ear jack 106 are connected to terminals P1 and P3 of the ear jack connector 120, thereby applying sense signals being of a high level to the controller 102. Otherwise, if the ear jack connector 124 of the external speaker 122 is connected to the ear jack 106, terminal P1 of the ear jack connector 124 is opened and P3 is grounded, thereby applying a sense signal being of a low level to the controller 102. As a result, the controller determines that the earphone 118 is connected to a mobile telephone, upon detecting a sense signal being of a high level. Further, upon detecting

a sense signal being of a low level, the controller determines that the external speaker 122 is connected to the mobile terminal.

With regard to the rejection of independent Claims 1 and 5, the Examiner asserts that *Tran* teaches all the recitations of the claims, except for a computer being an MP3 device, which the Examiner asserts is taught in *Tan*. However, it is respectfully submitted that the Examiner is incorrect.

More specifically, both independent Claims 1 and 5, recite that a sense signal, which indicates the type of speaker device connected to the audio device, is generated by the ear jack. However, the computer in *Tran* determines whether connected speakers are self-powered or passively driven by detecting an impedance level of the connected speakers, not from a sensing signal generated by the ear jack, as recited in Claims 1 and 5. Further, in *Tran* a computer processing unit is utilized to detect the impedance level, not the ear jack. Accordingly, it is respectfully submitted that a uniquely configured ear jack that can directly generate, at the ear jack, a sensing signal, thereby eliminating the need to determine the impedance level of the attached speakers, is not taught in *Tran*.
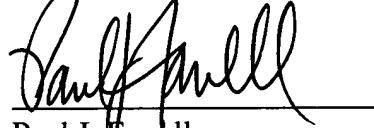
Additionally, it is respectfully submitted that *Tan* does not cure this deficiency of *Tran*.

Accordingly, for at least the reasons stated above, it is respectfully submitted that independent Claims 1 and 5 are patentably distinct over *Tran* in view of *Tan*, and it is respectfully requested that the rejection of Claims 1 and 5 be withdrawn.

Without conceding the patentability *per se* of the dependent claims, it is believed that Claims 2-4 and 6 are patentable for at least the above reasons.

Accordingly, the pending claims, i.e. Claims 1-6, are believed to be in condition for allowance, and issuance of a notice of allowance is respectfully requested. If the Examiner has any questions regarding this communication, the Examiner is requested to contact the undersigned.

Respectfully submitted,

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